

Title (en)  
A dilation catheter

Title (de)  
Dilatationskatheter

Title (fr)  
Cathéter de dilatation

Publication  
**EP 2431068 A1 20120321 (EN)**

Application  
**EP 11193369 A 20080307**

Priority  
• EP 08719317 A 20080307  
• IB 2008000623 W 20080307

Abstract (en)  
A catheter (10) for treating stenotic sites in the human body (e.g. in the azygos vein) includes an expandable portion (12) having, when expanded, an arched shape. The arched shape may extend over an angle ( $\pm$ ) of at least 90° degrees, and preferably of between 90° and 120° degrees, with a radius (R) of less than 3 centimetres, and preferably between 2 and 3 centimetres. The expandable portion (12) may include a flexible support member, and expandable members coupled to the support member to impart, when expanded, the desired arched shape to the flexible support member. Alternatively, the expandable portion (12) may include an actuator member acting longitudinally of and sideways to the expandable portion to impart thereto the desired arched shape.

IPC 8 full level  
**A61F 2/958** (2013.01); **A61M 25/10** (2013.01)

CPC (source: EP US)  
**A61M 25/1002** (2013.01 - EP US)

Citation (applicant)  
• WO 2006124176 A1 20061123 - CRYOCATH TECHNOLOGIES INC [CA], et al  
• WO 2006062257 A1 20060615 - TOYOTA MOTOR CO LTD [JP], et al  
• WO 2007075256 A1 20070705 - ADVANCED CARDIOVASCULAR SYSTEM [US]  
• WO 2006086516 A2 20060817 - ANGIODYNAMICS INC [US], et al

Citation (search report)  
• [X] US 5116305 A 19920526 - MILDER FREDRIC L [US], et al  
• [A] US 4943275 A 19900724 - STRICKER SAUL [CA]  
• [A] EP 0713712 A1 19960529 - MEDINOL LTD [IL]  
• [A] EP 1683541 A2 20060726 - EBEID MAKRAM R [US]

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
RS

DOCDB simple family (publication)  
**WO 2009109801 A1 20090911**; AR 070966 A1 20100519; AT E536905 T1 20111215; AU 2008352279 A1 20090911; AU 2008352279 A8 20101014; BR PI0822439 A2 20180710; CA 2717821 A1 20090911; CN 101970039 A 20110209; EA 201071044 A1 20110228; EP 2265315 A1 20101229; EP 2265315 B1 20111214; EP 2431067 A1 20120321; EP 2431068 A1 20120321; ES 2383554 T3 20120622; MX 2010009823 A 20101220; US 2011021986 A1 20110127

DOCDB simple family (application)  
**IB 2008000623 W 20080307**; AR P090100824 A 20090306; AT 08719317 T 20080307; AU 2008352279 A 20080307; BR PI0822439 A 20080307; CA 2717821 A 20080307; CN 200880127761 A 20080307; EA 201071044 A 20080307; EP 08719317 A 20080307; EP 11193364 A 20080307; EP 11193369 A 20080307; ES 08719317 T 20080307; MX 2010009823 A 20080307; US 92126308 A 20080307